ABSTRACT

Techniques are described for analog-to-digital signal conversion. According to exemplary embodiments, a first request is associated with a plurality of input terminals and a second request is associated with one of the input terminals. An analog signal presented at each

5   of a portion of the input terminals associated with the first request is converted in succession into a digital value until the one of the input terminals associated with the second request is reached. A predetermined amount of time is waited to receive the second request. An analog signal presented at each of a remaining portion of the input terminals associated with the first request is converted in succession into a digital value when one of an expiration of the predetermined

10   amount of time and a receiving of the second request occurs.